(FILE 'USPAT' ENTERED AT 12:11:21 ON 11 MAY 94)

L1 5233 S ?RELAXIN OR ?INSULIN OR ?INSULINLIKE OR IGF(W) (I OR II)

L2 433 S C(W) (CHAIN OR PEPTIDE)

L3 1265540 S MODIFI? OR ALTER? OR SHORTEN? OR TRUNCAT?

L4 126 S L1 AND L2

L5 110 S L3 AND L4

L6 45 S L2(P) L3

- 1. 5,304,473, Apr. 19, 1994, A-C-B proinsulin, method of manufacturing and using same, and intermediates in insulin production; Rama M. Belagaje, et al., 435/69.7, 252.33; 514/3; 530/303, 350; 536/23.51 [IMAGE AVAILABLE]
- 27. 4,639,333, Jan. 27, 1987, Process for converting preproinsulin analogs into insulins; Rainer Obermeier, et al., 530/303, 305; 930/10, 260 [IMAGE AVAILABLE]

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FastDB – Fast Pairwise ^VČomparison of Sequences Release 5.4

Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : A-GeneSeq 13, all entries

PARAMETERS

2 20 13			15 10
K-tuple Joining penalty Window size			Alignments to save Display context
Unitary 1 1.00 0.05	0	0	24 20
Similarity matrix Ui Mismatch penalty Gap penalty Gap size penalty	Cutoff score	Ran Juization group	Initial scores to save Optimized scores to save

SEARCH STATISTICS

Scores:		Mean 1	Median 3	Standard Deviation 1.31
Times:		CPU 00:00:24.10		Total Elapsed 00:01:29.00
Number Number Number	Number of residues: Number of sequences searched: Number of scores above cutoff	searched: /e cutoff:	4624329 37412 4795	

			Init. Opt.	
	ce Name	Description	Length Score Score	Sig. Fr
	 	**** 5 standard deviations above mean ****	above mean ****	; ; ; ; ;
Η.	R23998	EGF/HB-EHM.	208 8 8	5.35
2.	P81758	Sequence encoded by env gene	735 8 8	5.35
ю К	R24126	SIVmac239 env gene product.	8 8 8 8	5.35
4.	P80805	Sequence of env protein of SI	8 8 8	5,35
		**** 4 standard deviations above mean	above mean ****	
-	1 115-080-3548-3 (1-13)	-3 (1-13)		

US-08-080-354В-3 (1-13) R23998 EGF/НВ-ЕНМ.

¥.	
208	
Protein;	
standard;	
R23998 R23998;	
AC	

DT 09-NOV-1992 (first entry)

DE EGF/HB-EHM.

KW Heparin-binding epidermal growth factor; EGF; HB-EHM;

X 10 X KRKPIGYGSRKKR

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LATPNKEEHGKRKKGKGLGKKRDPCLRKYKDF 90 X 100 X 110 Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : PIR 38, all entries

PARAMETERS

Similarity matrix Ur Mismatch penalty Gap penalty Gap size penalty	Unitary 1 1.00 0.05	K-tuple Joining penalty Window size	2 20 13
Cutoff score	0		
Randomization group	0		
Initial scores to save Optimized scores to save	45	Alignments to save Display context	15 10

SEARCH STATISTICS

Standard Deviation 1.07	Total Elapsed 00:04:16.00
Median 3	
Mean 2	CPU 00:01:09.13
Scores:	Times:

18022824	61248	4792
residues:	sequences searched:	scores above cutoff:
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Number	Number	Number

		Init. Opt.	þt.		
Sequence Name	Description	Length Score S	core	Sig.	Sig. Frame
	**** 5 standard deviations above mean ****	above mean ****			
1. WMVETC	8K protein - turnip crinkle v	72 8	00	5.61	0
2. A37300	heparin-binding EGF-like grow	8 88	00	5.61	0
3. A38432	heparin-binding EGF-like grow		00	5.61	0
4. A41914	diptheria toxin receptor prec		ω	5.61	0
5. VCLJS2	env polyprotein precursor - s	8 880 8	00	5.61	0
6. 503068	env protein - Human I-cell ly		00	5.61	0
7. VCLJG3	env polyprotein - simian immu		œ	5.61	0
8. VCLJG5	env polvprotein - simian immu		œ	5.61	0

1. US-08-080-354B-3 (1-13)

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Frame

WMVETC 8K protein - turnip crinkle virus

10 X

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KRKPIGYGSRKKR

Results of the initial comparison of US-08-080-354B-3 (1-13) with: Data bank : Swiss-Prot 27, all entries

PARAMETERS

K-tuple
Unitary
Similarity matrix

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SEARCH STATISTICS	Scores: Mean Median Standard Deviation 1 3 1.29	Times: CPU Total Elapsed 00:00:22.98 00:01:23.00	Number of residues: Number of sequences searched: Number of scores above cutoff: 4751	Init. Opt. Sequence Name Description Length Score Score Sig. Frame	1. R05246 Amino acid sequence of open r 97 6 3.87 2. P93143 Sequence encoded by ORPZ of p 314 6 6 3.87 3. R25853 MSH-dependent protein obtd. f 354 6 6 3.87 4. R13729 Human beta2-adrenerdic-STR2 h 428 6 6 3.87	R28956 HIV gp160-MN precursor up to 513 6 6 3.87 R26445 Rat cytochrome P450 (CC24). 514 6 6 3.87 R23157 Mutant thermostable DNA polym 545 6 6 3.87 R23156 Mutant thermostable DNA polym 632 6 6 3.87 R23155 Mutant thermostable DNA polym 680 6 6 3.87	11. R24513 Consensus sequence encodedby 748 6 6 3.87 0 12. R24396 Prod. of the S gene of IS-BP 748 6 6 3.87 0 13. R24396 Prod. of the S gene of DF2-HP 748 6 6 3.87 0 14. R23154 Mutant thermostable DNA polym 788 6 6 3.87 0 15. R23152 Mutant thermostable DNA polym 830 6 6 3.87 0 16. R23152 Mutant thermostable DNA polym 830 6 6 3.87 0 16. R23152	R14254 Murine GCSF receptor. 837 6 6 3.87 R14903 HIV-1(MN) env protein. 856 6 6 3.87 R14904 HIV-1(MN-ST1) env protein. 857 6 6 3.87 R14904 Sequence encoded by Saccharom 886 6 6 3.87	. K30418 Nearly Complete plu/ protein. 935 6 6 3.87 R34783 Human CENP-C antigen. 979 6 6 3.87 R24397 Prod. of the S gene of Wild t 1454 6 6 3.87 R24395 Prod. of the S gene of wild t 1454 6 6 3.87 P81183 Sequence of the peplomeric pr 1594 6 6 3.87	R13144 Deleted in Colorectal Carcino 1728 6 6 3.87 R25450 MH mutant porcine ryanodine r 5035 6 6 3.87 R29298 Nerve growth stimulating prot 9 5 5 3.10 R36857 Insulin-like growth factor—I 10 5 7 3.10 R37513 30Ard. 32Tvr 22-32 Pentide C. 11 5 7 3.10	R36911 Insulin-like growth factor—II 12 5 7 3.10 R12491 Insulin-like growth factor—II 12 5 7 3.10 R36856 Insulin-like growth factor—I 14 5 6 3.10 R34388 Sequence of a peptide that ca 14 5 5 3.10 R23127 Synthetic gamma Interferon an 17 5 5 3.10	. K36852 Insulin-like growth factor-1 18 5 7 3.10 8736848 Insulin-like growth factor-1 18 5 7 3.10 P50378 Antigenic peptide fragment of 18 5 7 3.10 R36910 Insulin-like growth factor-11 20 5 7 3.10 P40341 IGF-I (26-46). R14706 SCA gene linker Labl2.	R27064 hHCF[10-34] contg. lactam bri 25 5 3.10 R27979 (D-Trp12) hHCF (10-34) analog 25 5 3.10 R21494 Desamino [D-Trp, Lys13 (epsil 27 5 5 3.10 R21484 D-Trp-[Lys11/13 (epsilon-(N-b 27 5 5 3.10 S-08-080-354B-6 (1-13)	R05246 Amino acid sequence of open reading frame upstream	ID R05246 standard; protein; 97 AA. AC R05246;	DT 10-MAR-1993 (revised) DT 04-AUG-1990 (first entry)
Mismatch penalty 20 Gap penalty 1.00 Window size 13	off score	Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10 SEARCH STATISTICS	Scores: Mean Median Standard Deviation	n 90.	f residues: 11484420 f sequences searched: 33329 f scores above cutoff: 1191 Init. Opt.	**** 6 standard deviations above mean **** PR PROTEIN. M2 ENVELOPE POLYPROTEIN GP160 PR 880 8 6.36 M4 ENVELOPE POLYPROTEIN GP160 PR 881 8 6.36 M6 ENVELOPE POLYPROTEIN GP160 PR 881 8 6.36	. ENV_SIVM1 ENVELOPE POLYPROTEIN GP160 PR 882 8 6.36 S-08-080-354B-3 (1-13)	VP8_TCV P8 PROTEIN. OS TURNIP CRINKLE VIRUS (TCV).	OC VIRIDAE; SS-RNA NONENVELOPED VIRUSES; CARMOVIRIDAE. X 10 X KRKPTGYGSRKKR	NSLSDSDATGRRKKGEKSAKKRLVASHAASSV 10 20 30 40	Results of the initial comparison of US-08-080-354B-6 (1-13) with: Data bank : A-GeneSeq 13, all entries PARAMETERS	Similarity matrix Unitary K-tuple Mismatch penalty 1.00 Window size penalty 0.05	Cutoff score 0	Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10

19. GACH galline - chicken 20. A03316 homeotic protein ACI - Africa 21. JN0416 PsbH protein - Rye 22. S01386 photosystem II phosphoprotein 23. S0148 photosystem II phosphoprotein 24. F2MTH photosystem II phosphoprotein 25. F2ZMBH photosystem II phosphoprotein 26. S04144 ribosomal protein S19 - Yersi 27. B41034 cytochrome-c oxidase chain VI 28. S06037 hypothetical protein - Serrat 29. S31482 30. R3EC19 Homeotic protein Phi-1 30. R3EC19 Homeotic protein Bi-1 31. S08639 Homeotic protein II - Lact 32. JC1195 Hypothetical protein B 33. S05334 hypothetical protein II - Lact 34. S22454 REP protein - Wood tobacco (f 101) 6 6 73. MW0017 hypothetical protein 105 - Mi 105 74. S31458 75. MW0017 hypothetical protein IO5 - Mi 105 76 76 77. Mydoula hypothetical protein IO5 - Mi 105 78 79 70. S04158 PROTEIN Protein IO5 - Mi 105 70. S04158 Proteinase inhibitor precurs 73. S04158 Proteinase inhibitor precurs 73. S01452 Fau protein - Mouse 73. S11452 Fau protein - Mouse 74. S118101 Pubiquitin-like protein / Fibo 133. S61278 PACI278 P	otein L15 - Halobacter ptimized Score = atches	10 X RIGYGSRRKK	Results of the initial comparison of US-08-080-354B-6 (1-13) wibata bank: Swiss-Prot 27, all entries Similarity matrix Unitary K-tuple Mismatch penalty 1.00 Window size Gap penalty 0.05 Cutoff score 0 Randomization group 0	Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10 SEARCH STATISTICS
id sequence of lambda.gtl0 phage phl-vML3; l0 X GSRRK GYAFRKDGQLYVGSI) X 20 0	Nancomization group Initial scores to save 45 Alignments to save 15 Optimized scores to save 0 Display context 10 SEARCH STATISTICS	Scores: Mean Median Standard Deviation 2 3 1.07 Times: CPU Total Elapsed 00:01:18.05 00:04:40.00 Number of residues: 18022824 Number of sequences searched: 61248 Number of scores above cutoff: 4868	Sequence Name Description Length Score Score Sig. Frame **** 4 standard deviations above mean **** 1. \$50855	- horse (tragmen 25 apanese quail 57 a - Horse 62 hicken 62 otein 70 (Sspl) 65

4.69 6 0

(1-13) with:

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Times:	CPU 00:00:44.07	ĭ,0	Total Elapsed 00:02:39.00		Sequence Name	Description	Init. Score	Opt. Score Si
Number of residues: Number of sequences se. Number of scores above	searched: ove cutoff:	11484420 33329 4275			:	ions above INF(1 ions above	e a	
Sequence Name	Description		Init. Opt. Length Score Score Si	.g. Frame		ention molet receptor seg inhibin B		
LCU HES TPI TPI TPI TVA IFE OME	**** 5 standard deviations ab 50S RIBOSOMAL PROTEIN HILG (F HISTONE H2B.2, SPERM. HISTONE H2B.2, SPERM. HISTONE H2B.2, SPERM. HISTONE H2B.2, SPERM. HISTONE H2B.3, SPERM. HSTONE H2B.3, SPERM. PROBABLE 50S RIBOSOMAL PROTEIN MOBLIZATION PROTEIN MOBL. TEAP PROTEIN IN NOF-FB TRANS 112 KD PROTEIN IN NOF-FB TRANS	RACTEIN HIJE (F SPERM (FRAGMEN SPERM. (IN NOF-FB TRANS)	0.00 mean **** 40 7 7 5 143 7 7 5 148 7 7 7 5 149 7 7 7 5 149 7 7 7 5 149 7 7 7 5 149 7 7 7 5 149 7 7 7 5 15 15 15 15 15 15 15 15 15 15 15 15 1		7. R37974 7. R37974 8. R29623 9. R29623 10. R25853 11. R32108 12. R32020 13. R32020 14. R28956 15. P61363 16. R34934 17. P81758	110 110 110 110 110 110 110 110 110 110	2114 33114 33114 33114 33114 33114 65 55 55 66 66 77 77 77 66	
12. SWH1_YEAST 1. US-08-080-354B-6 RL16_HALCU 50S	SWH1 PROTEIN. -6 (1-13) OS RIBOSOMAL PROTEIN HL16	11 STEIN HL16 (FRAGMENT)	1141 7 7 7					
PROTEIN HL16 (FRAGMENT) OS HALOBACIERIUM CUT X 10 X DKKRIGYGSRRRK	GMENT). UM CUTIRUBRUM. X K					4466		
IIII TDKKRRQRGSRTHGGGTHKNSRGA X 10 X 20	IGGGTHKNSRGA X 20					d ICH cha		
Results of the Data bank : A-C	initial SeneSeg 1 Uni	son of US-08-080-354B-7 entries METERS K-tuple Joining penalty	0-354B-7 (1-13) with:					
nal e	0	i	3			High endotoxin affinity polyp 7 (1-13)		
andomization ç					R22590 National Residence National Tactor, TNFalpha; OS Synthetic.	Nonlinear peptide 8deltaTNF(144-157). ; polylysine.	KW Tumour	ur necr
Initial scores to Optimized scores t	save 45 to save 0 SEARCH	Alignments to s Display context (CH STATISTICS	save 15 xt 10		× × 0	X 10 X DKKRIGYGSRKR 		
Scores:	Mean 1	Median St 3	Standard Deviation 1.31		DYLAGFKAHGKKYRGGGKRKKG 10 20 X	YRGGGKRKKG 20 X		
Times:	CPU 00:00:23.03	ř	Total Elapsed 00:01:31.00					

Tumour necrosis

Sig. Frame

4624329 37412 4673

Number of residues: Number of sequences searched: Number of scores above cutoff:

Standard Deviation 0.94

Median 3

Mean 2

Scores:

0

Results of the initial comparison of US-08-080-354B-7 (1-13) with: Data bank : PIR 38, all entries

PARAMETERS

20 13 K-tuple Joining penalty Window size Unitary 11.00 0 0 Randomization group Similarity matrix Mismatch penalty Gap size penalty Cutoff score Gap penalty

SEARCH STATISTICS

15

Alignments to save Display context

გ 0

Optimized scores to save Initial scores to save

Standard Deviation 1.09 Median 3 Mean 2

Total Elapsed 00:03:57.00

18022824 61248 4955 00:01:14.01 sequences searched: scores above cutoff: residues: Number of s Number of s Number of s

Iimes:

Sig. Frame 6.42 5.50 Init. Opt. Length Score Score œ hypothetical nox3 protein - E 334 9
**** 5 standard deviations above mean ****
heparin-binding EGF-like grow 208 8
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ribosomal protein L15 - Halob 29 7 367 Hypothetical protein - Yeast heparin-binding EGF-like grow DIOR COP protein - variola vi FIOR protein - variola virus DNA-(apurinic or apyrimidinic Description Sequence Name S16512 JC1410 S33114 G36847 D22735 JC1409 508555 2. v.o.

secY protein - Mycoplasma cap fhlA protein - Escherichia co regulatory protein ARGRII - y env polyprotein precursor - c heat shock protein groEL - Br transcriptional activator fhl nitrate reductase (NADH) - wi cytochrome d complex terminal S29871 BWYMSY A28940 B43827 A36705 S12079 A25064 A41667

US-08-080-354B-7 (1-13)

6.42 9 Significance 9 Mismatches hypothetical nox3 protein - Emericella nidulans Optimized Score = 9
Matches = 9
Conservative Substitutions 869 σ 0 0 0 Residue Identity Initial Score D22735

10 X

DKKRIGYGSRKKR

= = =

HSLDVSLAYYIKKRLGYGSVKKVKNKNAFILVV

x 130 120 × 110

s of the initial comparison of US-08-080-354B-7 (1-13) with: Swiss-Prot 27, all entries Results Data bank

PARAMETERS

202 15 save Alignments to sa Display context Joining penalty Window size K-tuple Unitary 1 1.00 0.05 0 0 ر 4 د د Initial scores to save Optimized scores to save group Similarity matrix Mismatch penalty Gap penalty size penalty Randomization Cutoff score

SEARCH STATISTICS

Standard Deviation 0.97 Median 3 Mean 2 Scores:

00:00:44.00 Number of s Number of s Number of s

Times:

Total Elapsed 00:02:35.00

11484420 33329 4341 sequences searched: scores above cutoff: residues: sequences

Frame 00000000000 Sig. Init. Opt. Length Score Score **** 5 standard deviations above mean 50S RIBOSOWAL PROTEIN HL16 (F 50S RIBOSOWAL PROTEIN L34. TROPOMYOSIN-LIKE PROTEIN (FRA Description Name Seguence

> 0 0

248 361 482 522 522 863 918 PROTEIN DIO.
DNA-(APURINIC OR APYRIMIDINIC
DNA-(APURINIC OR APYRIMIDINIC
DNA-(APURINIC OR DIOCOCCE
SCYTOCHROME D UBIQUINOL OXIDAS
FORMATE HYDROGENLYASE TRANSCR
ENVELOPE POLYPROTEIN GP160 PR
ARGININE METABOLISM REGULATIO
NITRATE REDUCTASE (EC 1.6.6.1
ENV POLYPROTEIN PRECURSOR (CO RL16 HALCU RL34 BORBU TPM HANPO VD10 VARV APN1 YEAST SECY MYCCA CYDA ECOLI FHLA ECOLI ARGZ YEAST NIA CUCMA ENV CAEVC TECOLI HV128 EN

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1. US-08-080-354B-7 (1-13)

RIBOSOMAL 508 Э 16 HALCU 50S RIBOSOMAL PROTEIN HL16 (FRAGMENT). IN HL16 (FRAGMENT). HALOBACTERIUM CUTIRUBRUM. RL16_HALCU PROTEIN HL16 (

DKKRIGYGSRKKR

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IDKKRRQRGSRIHGGGIHKNSRGA ×

20 × 10 Results of the initial comparison of US-08-080-354B-8 (1-13) with: Data bank : A-GeneSeq 13, all entries

PARAMETERS

lin-lik 101 7 8 4.55 0 eptide 103 7 8 4.55 0 otein. 111 7 8 4.55 0		r-I functional derivative						nce is that of a functional derivative of human insulin-like stor (IGF)-I which promotes the survival of retinal neuronal can be used for the treatment of retinal neuronal tissues suffering from the effects of injury, ageing and/or disease notodegeneration, trauma, axotomy, neurotoxic-excitatory		30-354B-8 (1		2 2 20 20 20 20 20 20 20 20 20 20 20 20	ize			gnments to save 15 play context 10	STICS	an Standard Deviation 3 1.08	Total Elapsed 00:04:07.00		Init. Opt. Length Score Score Sig. Frame	s above mean *** is 137 8 ti 305 8
Fusion protein of insulin-lik Saquence encoded by "poptide CLa protective peptide. Somatostatin fusion protein.		growth factor-I						a functiona nich promote or the treati n the effect on, trauma,	inopathy, Al ceroid lip	1 comparison o entries	PARAMETERS	K-tuple		0	0	5 Alignmer O Display	SEARCH STATISTIC	Media 3	.05	18022824 61248 4776		1 8 1
Fusion prot Sequence er CLa protect Somatostati	-8 (1-13)	Insulin-like ç						e is that of or (IGE)-1 wh an be used fo uffering fron todegeneratio	on, ischemic neuronal degeneration diabetic retinopathy, Alzheimer's osteopetrosis, ceroid lipofuscosis	the initial o R 38, all ent		Unitary				save 4 to save	••	Mean 2	CPU 00:01:15	is: es searched: above cutoff	Description	**** 5 stan core antigen core antigen
42. P82123 43. P60077 44. R13322 45. R07441	1. US-08-080-354B-8	R36857 I	X 10 X	R.		KPIGYGSSSK X 10		CC The sequence i CC growth factor CC cells. It can CC which are suff CC such as photod	degenerat dystrophy malignant	Results of tl Data bank : PIR		Similarity matrix	Gap penalty Gap size penalty	Cutoff score	Randomization group	Initial scores to Optimized scores		Scores:	Times:	Number of residues: Number of sequences Number of scores abo	Seguence Name	1. S12843 2. NKVLHH
									Sig. Frame	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	 		 		 	 		ក្រសួល ភូពិស្វិល ភូពិស្វិល	. 4 4 4 4		
2 20 13			15 10			tandard Deviation 1.32	Elapsed		Init. Opt. Score Score	mean ****	<i></i>									- L L L L I		
e gpenalty size			nts to save context	10	-	Standard 1.32	Total Ela 00:01:35.		Length	above me			m							ricowt 71 ricowt 71 ricowt 71 risuli 71 ricosuli 71		-i Lik fa
K-tuple Joining per Window siz			Alignments Display cor	SEARCH STATISTICS	:	Median 3		4624329 37412 4840		ard deviation	ike growth factor-I ike growth factor-II ike growth factor-I ike growth factor-I	lde fragment rowth factor	d in protect:	encoded by peptide (Insulin-like ke growth fa rowth factor	rowth factor-I. nan insulin-lik Lian somatomedi	mammalian somatomedi of human insulin-lik of oxidative human i sulin-like orowth fac	like growth 2 of human in 3 of human in	2 of human in te growth factor. cowth Factor. insulin-li	line growth alin-like growth in insulin growthence of Insuling	Ke Growth Facto fusion protein fusion protein	owth facto of insulin otein cont ulin growt
Unitary 1.00 0.05			save 45 o save 0	SEARC	:	Mean 1	CPU 00:00:24.10	s searched: oove cutoff	Description		Insulin-like growth Insulin-like growth Insulin-like growth Insulin-like growth	Antigenic pepti Insulin-like gr IGE-I (26-46)	Cd peptide used C-domain of IGE	Sequence encode Sequence of N-t	Derivative of insulin-like gr New insulin-like growth facto Insulin-like growth factor-I	Insulin-like growth IFG-I. Sequence of human 1: Modified mammalian	Modified mammal Sequence of hun Sequence of oxi Human insulin-1	Human insulin-1 Analogue IGF255 Analogue IGF130	Analogue IGF122 New insulin-lib Insulin-like Gr Synthetic humar	Methionine-insulin-like growt Synthetic human insulin growt Amino acid sequence of Insuli Analogue IGF132 of human insu	Lys-insuin-iik Beta-gal/IGF-1 Beta-gal IGF-1	Insulin-like ga Fusion protein Short fusion pa Sequence of ins
. Similarity matrix Mismatch penalty Gap penalty Gap size penalty Cutoff score	. .		Initial scores to sa Optimized scores to		ı	Scores:	Times:	Number of residues: Number of sequences Number of scores ab	Sequence Name			. P50378 . R36910 p40341		. P60079	. P90515 . P91501 . R36847	R36846 R33854 P40034 R10587	. R10586 . P71539 . P70414 . R06306	R06307 P94660	. P93366 . P91502 . R21709 . P50872	31. P81223 32. P81223 33. R05281 34. P94729	. R11422 . R13759 . R13758	

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111	hepatitis hepatitis eviations ab	ctor -	factor I	factor I	2 2	factor I	protein -	nter	factor IA	ctor I	factor IA	H 1	factor IB	factor I	factor IA	ct o	factor la	factor I	t	ä	๗	factor I		factor IA	actor	or	ı	factor	factor I	actor	factor I		factor IB	factor IB		,	- pink co	- pink	5HT-dro2A
1.1	- duck - duck ndard d	growth		-	סית	growth	12.8K	tor 4,	ס	Б	growt		growt	growt	-	growt	growt	-	growt	growt		e growth	σī					0	ס		ke growth				ı	d protein	synthase	Φ	receptor 5
core antigen core antigen	core antigen core antigen	nsulin-l	nsul	nsulln-llke penlin-like	nsal	nsul	theti	let	nsaj	nsulin-like	nsulin-l	nsu	nsulin-l	nsulin-l	nsal	nsulin-l	nsulin-li	nsulin-li	nsulin-l	nsulin-l	nsulin-1	in-1	ı	nsul		nsul	nsulin-		nsul	nsulin-li	n-1	ı م	nsulin-like	nsulin-	histone Hlt	ocapsi	chorismate	(D)	erotonin r
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1. US-08-080-354B-8 (1-13)

duck hepatitis virus (fragment) 1 antigen core 512843

10 ×

KRKPIGYGSRRK

= - =

AQGGRKTTTGTRKPRGLEPRRRKVKTTVVYGRR 8

7. US-08-080-354B-8 (1-13)

Insulin-like growth factor - Sheep

× 2 ×

KRKPTGYGSRRRK

OFVCGDRGFYFNKPIGYGSSSRRAPQTGIVDEC 20 x 30 x 40

Results of the initial comparison of US-08-080-354B-8 (1-13) with: Data bank : Swiss-Prot 27, all entries

PARAMETERS

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1. US-08-080-354B-8 (1-13)

CORE ANTIGEN. CORA_HPBHE HERON HEPATITIS B VIRUS. os

VIRIDAE; DS-DNA ENVELOPED VIRUSES; HEPADNAVIRIDAE. 901

×

KRKPTGYGSRRRK

AQGGRNQTKGTRKPRGLEPRRRKVKTTVVYGRR 240 250 260 270 - -